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PTO/SB/21 (04-04), Approved for use through 07/31/2006. OMB 0651-003/

U	nder the Par	erwork R	Deigo Augus 595	, no person	U.S. Pate s are required to respond to a collect	ent and Ti	rademark Office; ormation unless i	U.S. D	DEPARTMENT OF COMMERCE
					Application Number	$\overline{}$	04,370		
TRANSMITTAL				Filing Date	Nov	November 1, 2001			
		FO	RM		First Named Inventor	+	Pan et al.		
(to	be used for	all corresp	ondence after initial	filing)	Art Unit	2634	2634		
					Examiner Name	Jais	Jaison Joseph		
Tota	al Number of	Pages in	This Submission		Attorney Docket Number	1-2-0	0187.1US		
	ENCLOSURES (Check all that apply)								
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	Amendme	ee Attach			Licensing-related Papers Petition		of Ap	ppear Communication to Board f Appeals and Interferences ppeal Communication to TC Appeal Notice, Brief, Reply Brief)	
		ter Final			Petition to Convert to a Provisional Application Power of Attorney, Revocation			·	Information
$ \Box$			leclaration(s)		Change of Correspondence Add	ress		Encl	osure(s) (please
lH.	Extension		•		Terminal Disclaimer		Identi	fy bel	ow):
	Express Abandonment Request Supplemental				Request for Refund				
	Information Disclosure Statement				CD, Number of CD(s)				
	Certified Copy of Priority Document(s) Remarks Form PTO-1449 w/ a copy of the European Search Report and							onesh Donash and	
	Response				2) references	OI III	e Europea	ın S	earch Report and
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or			el L. Berman	^	Re	eg. No	. 51,464		
	ual name	voipe	and Koenig, P						
Date	Signature MBerman								
Date	October 5, 2005								
	CERTIFICATE OF TRANSMISSION/MAILING								
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.									
Typed	or printed r	name	Michael L. Be	rman					
Signature WBerner				,			Date	October 5, 2005	
This col	This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to								

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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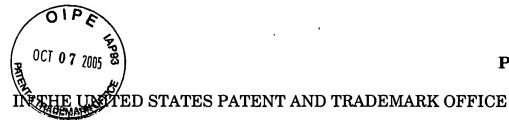
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Effectiv	ve on Table	EMARK		Complete if Known			
Fees pursuant to the Consolida			Application Number	Application Number 10/004,370			
		MITTAL	Filing Date	November 1, 2001	1		
For	· FY 2	005	First Named Inventor	Pan et al.			
Applicant claims small	entity status	Sec 37 CED 1 27	Examiner Name	Jaison Joseph			
			Art Unit	2634			
TOTAL AMOUNT OF PAYM	IENT (\$)	180.00	Attorney Docket No.	I-2-0187.1US			
METHOD OF PAYMENT	(check all	that apply)					
Check Credit C	posit Accoun		Deposit Account	Name: InterDigital Commu	unications Corporation		
			ereby authorized to: (che	ck all that apply)			
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FEE CALCULATION				, , , , , , , , , , , , , , , , , , , ,			
1. BASIC FILING, SEAR	FILING I		ARCH FEES EXA	AMINATION FEES			
Application Type	Fee (\$)	Fee (\$) Fee	Small Entity (\$) Fee (\$) Fe	Small Entity e (\$) Fee (\$)	Fees Paid (\$)		
Utility	300	150 500	250 2	00 100			
Design	200	100 100	50 1	30 65			
Plant	200	100 300	150 1	50 80			
Reissue	300	150 500	250 6	300			
Provisional	200	100	0	0 0			
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HP = highest number of independent claims paid for, if greater than 3							
3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) - 100 = / 50 = (round up to a whole number) x = 0.00							
4. OTHER FEE(S) Non-English Specific					Fees Paid (\$)		
Other: Supplementa	ıl Informa	tion Disclosure Stat	ement		180.00		

SUBMITTED BY			
Signature	MBurnan	Registration No. 51,464 (Attorney/Agent)	Telephone 215-568-6400
Name (Print/Type)	Michael L. Berman		Date October 5, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

I-2-0187.1US

October 5, 2005



In the **PATENT APPLICATION** of:

Pan et al.

Application No.: 10/004,370

Confirmation No.: 7318

Filed:

November 1, 2001

For: INTERATIVE FAST FOURIER TRANSFORM ERROR CORRECTION

Group:

2634

Examiner:

Jaison Joseph

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Our File:

Date:

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (*). Copies of the newly cited documents are enclosed. Copies of previously cited documents are not included.

Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned certifies that each new item of information contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed, and that this communication was not received by any individual designated

Applicant: Pan et al. Application No.: 10/004,370

in §1.56(c) more than three (3) months prior to the filing of the supplemental information disclosure statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Pan et al.

Michael L. Berman

Registration No. 51,464

(215) 568-6400

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

MLB/ks Enclosures (4) OT 07 7005 8

U.S. DEPARTMENT OF COMMERCEMENT PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. I-2-0187.1US

SERIAL NO. 10/004,370

APPLICANT Pan et al.

FILING DATE November 11, 2001 GROUP 2634

U.S. PATENT DOCUMENTS

		U.S. PATENT	DOCUMENTS				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		DATE IF
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	6,072,947	06/2000	Roychowdhury et al.				
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	6,885,654	04/2005	Pan et al.				-
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		FOREIGN PATE	NT DOCUMENTS			_	
				TRANSLATION			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
*	00/77942	12/2000	WO			:	
	OTHER DOCUMEN	ITS (Including Aut	hor, Title, Date, Pertinent Pag	ges, Etc.)			
	Ramjee Prasad et al. Third Generation Mobile Communication Systems, Artech House, Boston, 2000						
	Anja Klein et al, "Zero Forcing and Minimum Mean-Square Error Equalization for Multiuser Detection in Code- Division Multiple-Access Channels," <i>IEEE Trans. on Vehicular Technology</i> , Vol. 45, No. 2, pp. 276-287, May, 1996						
	Naja Klein et al, "Data Detection Algorithms Specially Designed for the Downlink of CDMA Mobile Radio Systems," <i>IEEE 47th Vehicular Technology Conference</i> , pp. 203-207, May 1997.						

EXAMINER	DATE CONSIDERED

		OCT 0	7 2005				Sheet	2 of 2	
		FORM PTO-14	TO A AFRICAÇÃO	ATTY. DOCKET NO. I-2-0187.1US		SERIAL I 10/004,3			
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		OTHER DOCUMENTS	S (Including Au	uthor, Title, Date, Pertinent Page	es, Etc.)				
			sonal, Indoor a	nt Solution to Block-Based Joint and Mobile Communications PIN 40-1345, Sept. 1998, Boston, N	<i>IRC '98,</i> Co				
				w Cost MMSE-BLE-SD Algorith		A TDD Mo	de Do	wnline,	
				D) Radio Transmission and Rec			n Part	nership	

EXAMINER	DATE CONSIDERED				

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